INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 79 (1987)

AUTHOR INDEX

Beynon, J.H. 81, 101
Bonazzola, L. 215
Bowie, J.H. 267
Brenton, A.G. 81, 101
Budzikiewicz, H. 73

Chen, L. 115

Damen, R. 61
De Bièvre, R. 61, 311
Deutsch, H. R1
Drewello, T. 287

Ferguson, E.E. 215, 231
Fournier, P.G. 81
Fujii, T. 221

Heinrich, N. 295
Hendrickx, F. 61
Hudson, C.E. 183

Javahery, G. 231
Jimba, H. 221
Jonathan, P. 81, 101

Lamberty, A. 311
Lebrilla, C.B. 287
Lee, A.R. 101
Lee, T.D. 249
Legesse, K. 249
Lycke, W. 61

McAdoo, D.J. 183
Mahoney, J.F. 249
Märk, T.D. 1, R1
Marshall, A.G. 115
Michiels, E. 311
Moran, T.F. 127
Münster, H. 73

Neusser, H.J. 141
Niedzielski, J. 189, 203

Paulson, B.P. 127
Perel, J. 249

Raftery, M.J. 267
Roncin, J. 215
Rosman, K.J.R. 61

Schröder, E. 73
Schwarz, H. 287, 295
Sedgwick, J.B. 127
Shields, G.C. 127
Stiller, W. 189, 203

Theobald, F. 73
Tichy, M. 231
Todd, J.F.J. 237
Tolun, E. 237
Traas, L. 61
Traeger, J.C. 183
Turulski, J. 189, 203
Twiddy, N.D. 231

Werz, R. 61

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 79 (1987)

SUBJECT INDEX

Absolute electron impact ionization cross-section functions
calculation of — for single ionization of He, Ne, Ar, Kr, Xe, N and F R1
acetic acid
on the role of ion/dipole complexes in the isomerization/dissociation reactions of ionized — and its enol in the gas phase. An ab initio molecular orbital study 295
Ar
calculation of absolute electron impact ionization cross-section functions for single ionization of He, Ne, —, Kr, Xe, N and F R1

$CH_3CH_2\ddot{C}OH^{+\cdot}$
decompositions of the tentatively identified carbene ion — 183
charge transfer rate
simple theory of the — in ion/molecule reactions. Part 1. Derivation of the theory 189
charge transfer rate
simple theory of the — in ion/molecule reactions. Part 2. Experimental verification 203
CF_4
the thermal energy reactions $HCl^+ + SF_6 \rightarrow SF_5^+ + HF + Cl$ and $HCl^+ + CF_4 \rightarrow CF_3^+ + HF + Cl$ 231
cluster ions
—: production, detection and stability 1
cluster ion formation
studies in –. Part III. Collision-induced dissociation of the cluster ions of tetraalkylammonium halide salts 237
cyclohexanones
collision-induced dissociations of enolate negative ions. Deprotonated — 267

deprotonated cyclohexanones
collision-induced dissociations of enolate negative ions. — 267
desolvation
mechanism for high-mass sample ion — in electrohydrodynamic mass spectrometry 249

electrohydrodynamic mass spectrometry
mechanism for high-mass sample ion desolvation in — 249
enolate negative ions
collision-induced dissociations of —. Deprotonated cyclohexanones 267

F
calculation of absolute electron impact ionization cross-section functions for single ionization of He, Ne, Ar, Kr, Xe, N and — R1

H_2^+
capture dissociation of — in rare gases and small hydrocarbons 101
H_2^+
dissocation of — prepared in different rovibronic states by keV collisions with rare gases 81
H_3CO^+
heat of formation and bond energies of — and H_3COOH^+ ions 215
H_3COOH^+
heat of formation and bond energies of H_3CO^+ and — ions 215
He
caculation of absolute electron impact ionization cross-section functions for single ionization of —, Ne, Ar, Kr, Xe, N and F R1
high-mass sample ion desolvation
mechanism for — in electrohydrodynamic mass spectrometry 249
hydrocarbons
capture dissociation of H_2^+ in rare gases and small — 101

ion/molecule reactions
simple theory of the charge transfer rate in —. Part 1. Derivation of the theory 189
ion/molecule reactions
simple theory of the charge transfer rate in —. Part 2. Experimental verification 203
isotope mixtures
the preparation and use of synthetic — for testing mass spectrometers 61

Kr
calculation of absolute electron impact ionization cross-section functions for single ionization of He, Ne, Ar, —, Xe, N and F R1

linear nitriles
the reactions of — with transition metal ions M^+ (M = Fe, Co, Ni) in the gas phase. Does the back-bonding ability of the metal ions govern the geometry of the RCN/M^+ complexes and what is the effect on the oxidative addition of internal CH bonds? 287

lithium
on the atomic weight of — 311

mass spectrometers
the preparation and use of synthetic isotope mixtures for testing — 61
matrix plasma
the formation of a — in the gas phase under fast atom bombardment conditions 73
multi-photon mass spectrometry
— and unimolecular ion decay 141

N
calculation of absolute electron impact ionization cross-section functions for single ionization of He, Ne, Ar, Kr, Xe, — and F R1
Ne
calculation of absolute electron impact ionization cross-section functions for single ionization of He, —, Ar, Kr, Xe, N and F R1
nitriles
the reaction of linear — with transition metal ions M^+ (M = Fe, Co, Ni) in the gas phase. Does the back-bonding ability of the metal ions govern the geometry of the RCN/M^+ complexes and what is the effect on the oxidative addition of internal CH bonds? 287
nitrogen-containing cyclic organic compounds
surface ionization mass spectrometry of organic compounds. II. — 221

organic compounds
surface ionization mass spectrometry of —. II. Nitrogen-containing cyclic organic compounds 221

pyrrole
competition between single and double electron transfer in collisions of doubly charged molecular — ions with neutral — molecules 127

rare gases
capture dissociation of H_2^+ in — and small hydrocarbons 101
rare gases
dissociation of H_2^+ prepared in different rovibronic states by keV collisions with — 81

SF_6
the thermal energy reactions $HCl^+ + SF_6 \rightarrow SF_5^+ + HF + Cl$ and $HCl^+ + CF_4 \rightarrow CF_3^+ + HF + Cl$ 231
stored waveform simultaneous mass-selective ejection/excitation
— for Fourier transform ion cyclotron resonance mass spectrometry 115
synthetic isotope mixtures
the preparation and use of — for testing mass spectrometers 61

tetraalkylammonium halide salts
studies in cluster ion formation. Part III. Collision-induced dissociation of the cluster ions of — 237
transition metal ions M^+ (M = Fe, Co, Ni)
the reaction of linear nitriles with — in the gas phase. Does the back-bonding ability of the metal ions govern the geometry of the RCN/M^+ complexes and what is the effect on the oxidative addition of internal CH bonds? 287

unimolecular ion decay
multi-photon mass spectrometry and — 141

Xe
calculation of absolute electron impact ionization cross-section functions for single ionization of He, Ne, Ar, Kr, —, N and F R1